



Replay_T1/PRI Box

Administrator Manual



ATTENTION!!!

When connecting Replay_T1/PRI Box to your network and telecom equipment you must be very careful!

Your **Replay_T1/PRI Box** comes with a **PassiveTAP** device that allows connection with your T1/PRI line. During that connection all calls in progress will be disconnected on that line. To minimize the inconvenience this may cause, we recommend you **FIRST** install the **PassiveTAP** device, and make a couple of test calls (inbound and outbound) over your T1/PRI to make sure everything is working. This should be done during off-peak hours. Once you are satisfied that your communications are intact, the rest of the system configuration and other software installation can be done any time.

We also recommend that you install an UPS (Uninterruptible Power Supply) for **Replay_T1/PRI Box**. This will help minimize any damage that may be caused by an abrupt loss of electricity.

Please keep this hardware in the safe place, away from an unauthorized access.



INDEX

Pre-installation T1/PRI Configuration Checklist.....	4
Overview	5
Installing the Replay_T1/PRI Box.....	6
Connecting “passive” tap to T1	7
Graphical User Interface (GUI).....	10
Main Screen	11
Recordings Configuration.....	12
User Configuration	13
System Date/Time.....	15
Trisys’ Replay Limited Warranty Statement	16
Contact us:	17



Pre-installation T1/PRI Configuration Checklist

In order for Replay_T1/PRI Box to function, it will need certain T1 information. We recommend that you gather this **BEFORE** you get ready to configure Replay_T1/PRI Box.

The following should be readily available from your T1/PRI provider. You'll need to select one in each category. If you can't get an exact answer, use the default -it's underlined.

1. Signaling (for each channel on T1)

*** For PRI, channels 1 – 23 should have B-Chan, and channel 24 should have D-Chan. This assumes full T1 PRI;

2. Coding

AMI
B8ZS

3. Framing

ESF
D4

4. Line Build-Out

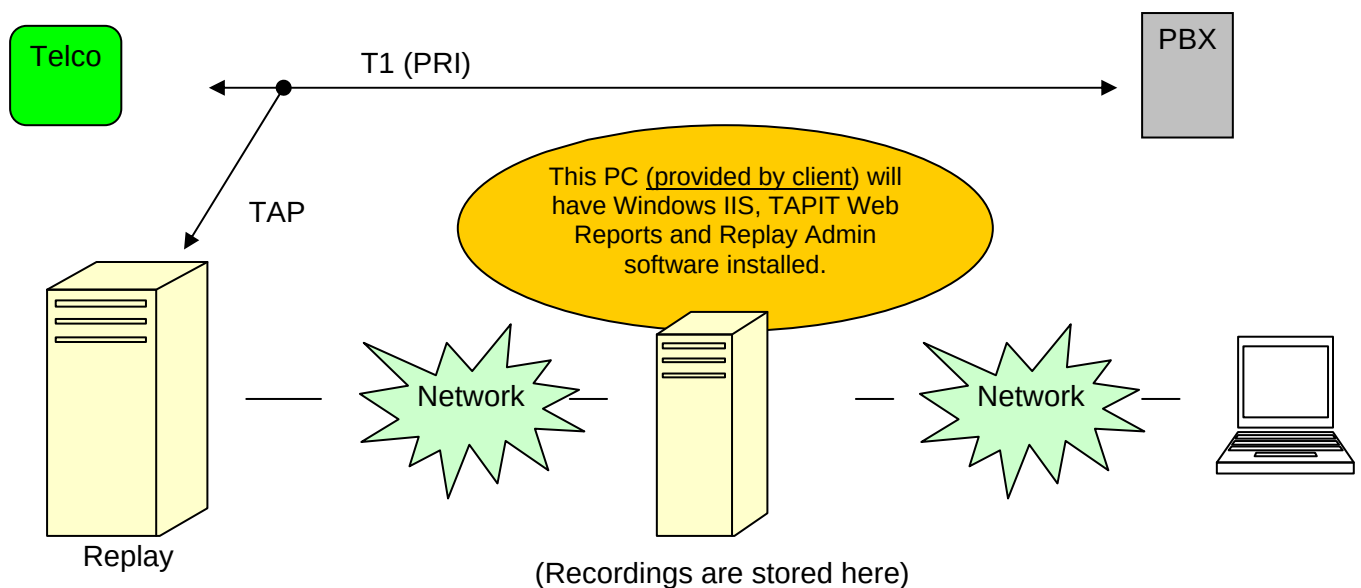
0 dB (CSU) / 0 - 133 feet (DSX-1)
133 - 266 feet (DSX-1)
266 - 399 feet (DSX-1)
399 - 533 feet (DSX-1)
533 - 655 feet (DSX-1)
-7.5 dB (CSU)
-15 dB (CSU)
-22.5 dB (CSU)



Overview

The **REPLAY_T1/PRI** system provides an elegant method of recording telephone calls for later replay or archiving. The **REPLAY_T1/PRI** system is installed as a passive, non-intrusive system. To accommodate larger T1 environment, multiple **Replay_T1/PRI Box(s)** are used.

Replay T1 Recorder in your environment



All recorded files are easily retrieved via TAPIT Web Reports. Please consult the TAPIT User Manual for more information.



Installing the Replay T1/PRI Box.

Before unpacking Replay_T1/PRI Box, please check for any evidence of exterior damage. If you suspect that the unit may have been damaged, please contact your dealer immediately. We recommend that you **DO NOT** proceed with unpacking the box if there's a visible evidence of the damage.

Each **Replay_T1/PRI Box** comes with pre-installed software, a **PassiveTAP** device and several cables. There's also **Replay_TX Server** (Replay administrative console) and **TAPIT** software that need to be installed. It will be addressed further in this chapter.

There's 1 (one) long and 2 (two) short cables. The **GREEN** and **YELLOW** short cables are for connecting the **PassiveTAP** device to the **Dual**-port (two ports) T1 board (already installed inside the **Replay_T1/PRI Box**).

<u>NOTE:</u>	When we say “ Port 1 ” on either of these boards, we refer to the port closest to the mother board (the bottom).
---------------------	---

Note. The following operation should be performed during off-peak hours since all communications will be interrupted!

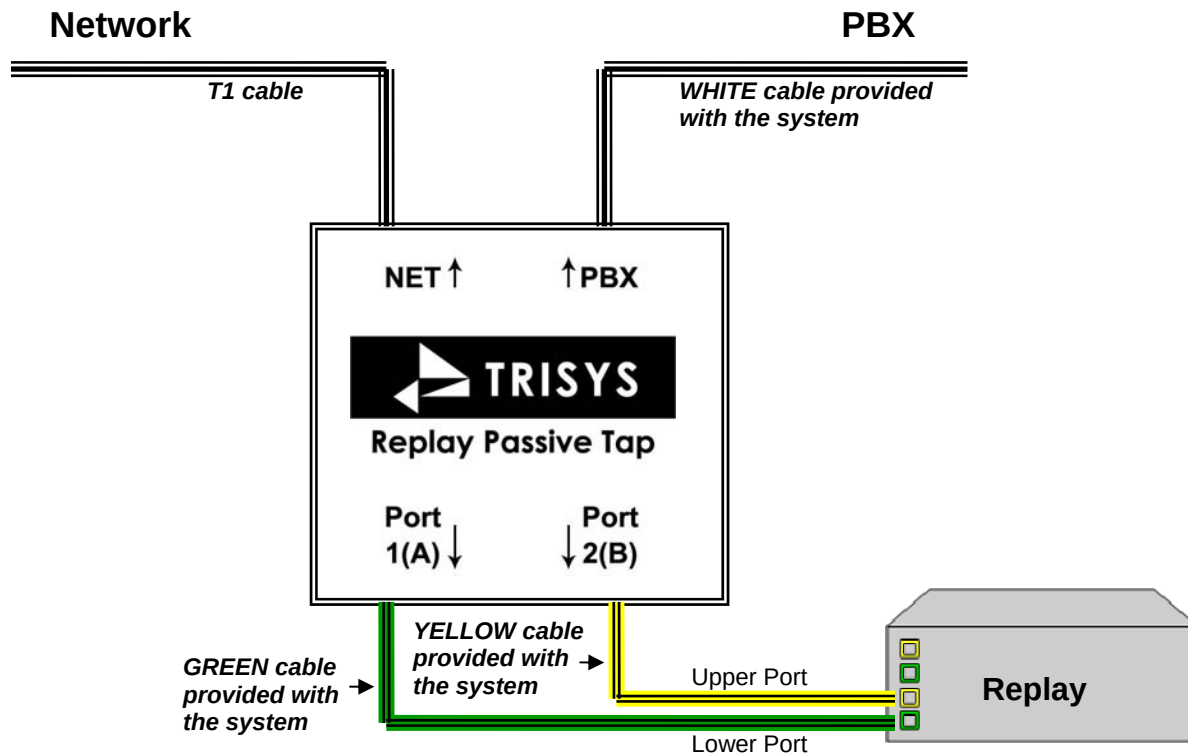
Your **Replay_T1/PRI Box** comes with a **PassiveTAP** device that allows connection with your T1/PRI line. During that connection all calls in progress will be disconnected on that line. To minimize the inconvenience this may cause, we recommend you **FIRST** install the **PassiveTAP** device, and make a couple of test calls (inbound and outbound) over your T1/PRI to make sure everything is working. **This should be done during off-peak hours.** Once you are satisfied that your communications are intact, the rest of the system configuration and other software installation can be done any time.

NOTE. Any connection to and/or configuration of your network must be performed by a qualified personnel with all appropriate “access privileges”. It is beyond the scope of this document to assist you in your Network configuration.



Connecting “passive” tap to T1

“Passive” tap enables Replay Call Recording system to connect to a T1 without interfering with T1’s operation. Each “passive” tap is shipped with one WHITE cable, one YELLOW cable, and one GREEN cable. Depending on the number of T1s, Replay PC may be shipped with one, or two “passive” tap sets.



1. Remove the cover from the “passive” tap, exposing 2 internal RJ45 connectors. These are the “NET” and the “PBX” connectors.
2. Disconnect the T1 cable from your PBX, and plug it in the “NET” connector on the tap.
3. Plug one end of the WHITE cable, provided with the system, into the “PBX” connector on tap.
4. Put the cover back on the “passive” tap. The “NET” and “PBX” labels should match corresponding cable connections.
5. Plug the other end of the WHITE cable into PBX.
6. The GREEN and YELLOW cables are shipped already attached to the “passive” tap Port 1 and Port 2 respectively.
Plug the YELLOW cable to the Upper Port and the GREEN cable to the Lower Port. The Upper and Lower ports are located on the back of the Replay box.
7. If you have two T1s you should receive two “passive” tap sets. Repeat instructions 1-6 for the second “passive” tap.



Before connecting Replay T1/PRI Box to your network or power supply:

By default, Replay_T1/PRI is configured for **DHCP** (your network will provide an IP address that Replay_T1/PRI will use). If you prefer **NOT** to use DHCP, please refer to MS Windows help on setting a Static IP address.

1. Unpack the Replay_T1/PRI Box.
2. Login to your Network DHCP server, and using the MAC address (see label on the back of Replay_T1/PRI Box) assign an IP address to the Replay_T1/PRI Box. This IP address will allow you to administer Replay_T1/PRI via GUI from any Web-enabled PC on your network (refer to Graphical User Interface chapter).
3. Connect the **GREEN** cable from the **PassiveTAB** device to Port1 (bottom port of the **Dual**-port T1 board already installed inside the **Replay_T1/PRI Box**). Connect the **YELLOW** cable to the port above it.

At this point, you need to borrow a monitor. You should only need it during the initial setup.

Once the **Replay_T1/PRI Box** is up, login as “**admin**”, password: **trisys123**. Go to RUN command; run “**CMD**”. At the next prompt, type – **ipconfig**.

Your screen will show something like this:

A screenshot of a Windows command prompt window. The title bar reads 'C:\WINDOWS\system32\cmd.exe'. The command 'C:\>ipconfig' has been entered. The output shows 'Windows IP Configuration' followed by 'Ethernet adapter Local Area Connection:'. Below this, the following information is displayed: 'Connection-specific DNS Suffix . : trisys.com', 'IP Address. : 192.168.15.121', 'Subnet Mask : 255.255.255.0', and 'Default Gateway : 192.168.15.16'. The prompt 'C:\>' is visible at the bottom.



You will need the **IP address** to complete the setup of the **Replay_T1/PRI box**. This IP address is assigned by your network. Please write it down.

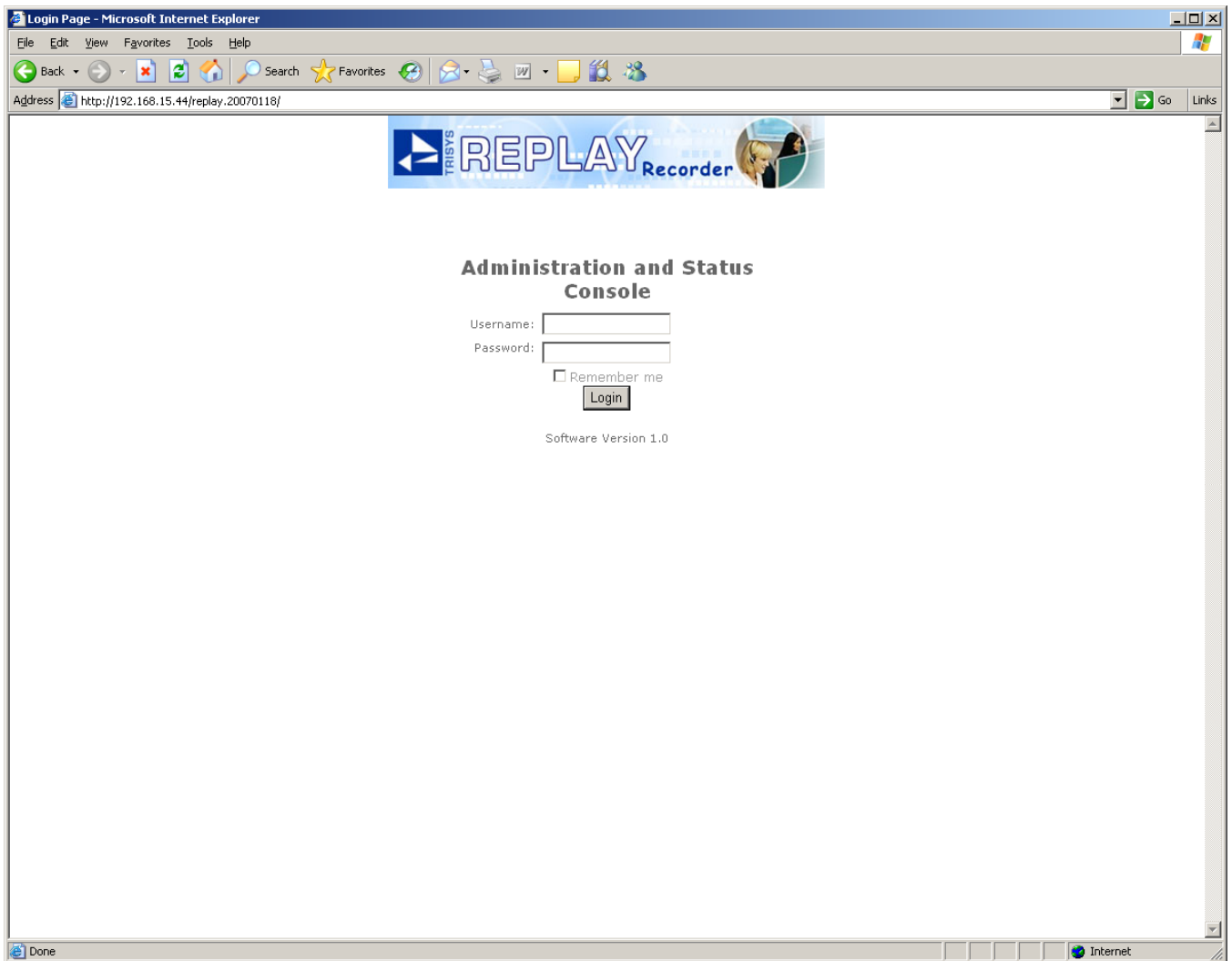
Type the above **IP address** followed by “\Replay” (in this example //192.168.15.121/Replay) in the Address field (that's where you would type: **www.yahoo.com**) of a web browser from any PC on your network, and you should be able to access **Replay_T1/PRI** Graphical User Interface (GUI).



Graphical User Interface (GUI)

The **REPLAY_T1/PRI** system utilizes a web based GUI (Graphical User Interface). It is accessible by opening your web browser of choice, and using the IP address of the **Replay_T1/PRI Box**, followed by "**\Replay**" (ie. //192.168.15.44/Replay).

A user login screen will appear, enter your username and password.





Main Screen

The Main screen will appear once your login and password have been verified. It will show the “Channel Status” (any calls in progress) and the Disk Drive Space.

Channel Status

Ch. Id	I/O	ANI / CallerId	DNIS	DTMF	Duration
0(Recording)	O	113	13036956317	0	0:5:29
1(Recording)	O	130	15714341877	0	0:2:56
2(Idle)					
3(Idle)					
4(Idle)					
5(Idle)					
6(Idle)					
7(Idle)					
8(Idle)					
9(Idle)					
10(Idle)					
11(Idle)					
12(Idle)					
13(Idle)					
14(Idle)					
15(Idle)					
16(Idle)					
17(Idle)					
18(Idle)					
19(Idle)					
20(Idle)					
21(Idle)					
22(Idle)					
23(Idle)					

Disk Drive Space

Drive	Type	Ready	Volume name	Total space	Available space
Drive = C:, 82335019008	C: Fixed	Yes		82,335,019,008	77,733,208,064

03/01/2007 03:48 PM



Recordings Configuration

Please do NOT change anything in these fields, unless you have a specific need.

Recordings Configuration Table	
Base media directory	C:\Recordings\
Enabled Channels	0,1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18
Format of saved recording files	GSM 6.10 (for maximum compression)
Maximum recording time (seconds, 0 => no limit)	7200
Silence time after which recording stops (seconds, 0 => no limit). Only relevant if Control Protocol is Activity Detection	2000
Temporary files path	C:\Replay\Temp
Save Reset	

03/01/2007 03:52 PM
Software Version 1.0

Click Save! button to store your Recording profile to disk.



User Configuration

Only those users that have valid User Ids and Passwords will be able to use this facility. The Name is and an optional field.

User Id	Name	Password		
sa	1	admin	Edit	Delete
sda	1	addmin	Edit	Delete
saw	1	adrmin	Edit	Delete
			Edit	Delete

03/01/2007 03:53 PM
Software Version 1.0

TRISYS REPLAY T1

MAIN DS1 CONFIGURATION RECORDING CONFIGURATION USER CONFIGURATION CHANGE DATE/TIME LOGOUT

User Configuration

User Id	Name	Password	Edit	Delete
sa	1	admin	Edit	Delete
sda	1	addmin	Edit	Delete
saw	1	adrmin	Edit	Delete

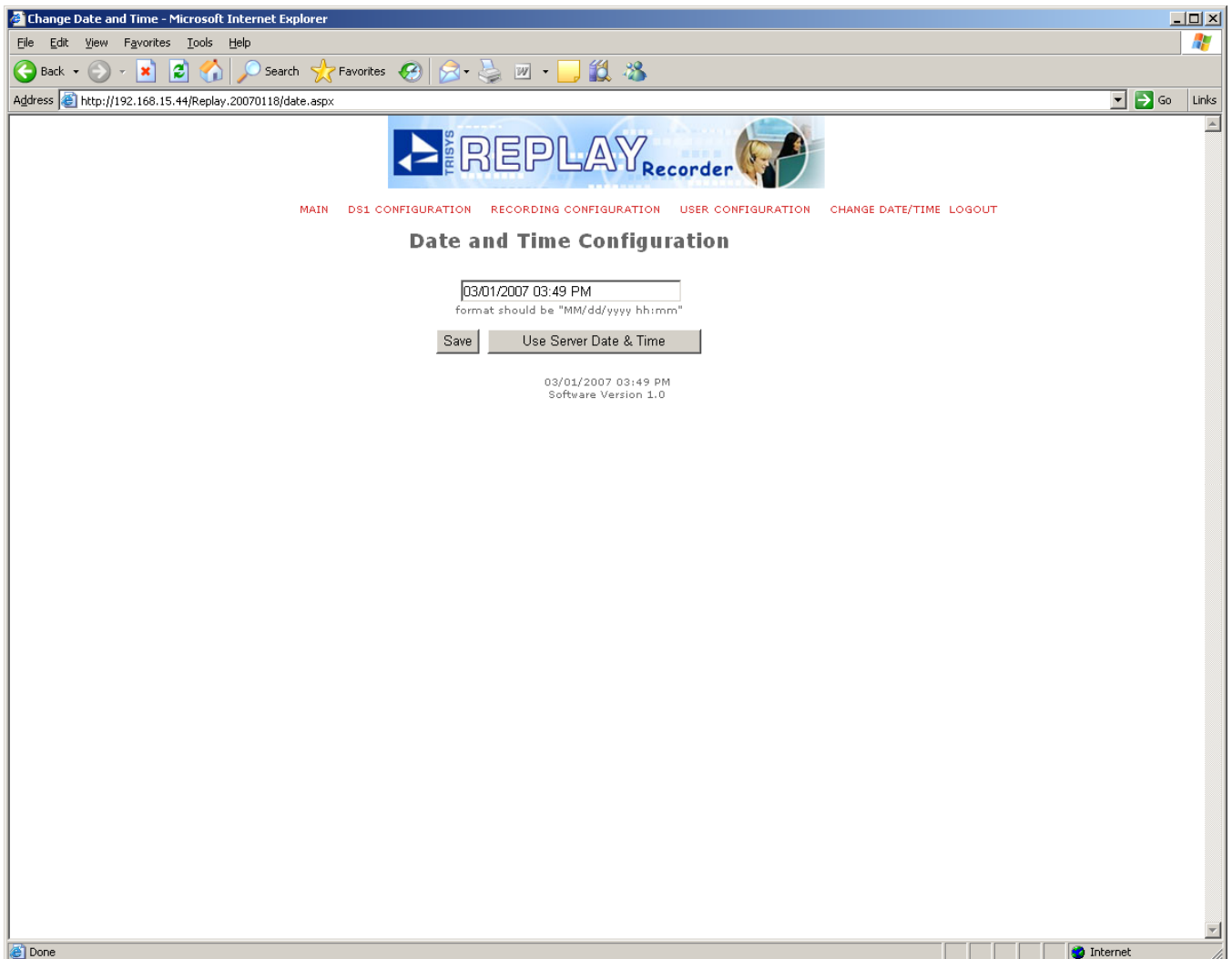
03/01/2007 03:53 PM
Software Version 1.0

You can make changes to any entry. When done, click Update.



System Date/Time

By default, Replay T1 will obtain its date and time from the network. However, in some cases, you may want to set date and time manually. Don't forget to click Save! button when done.





Trisys' Replay Limited Warranty Statement

TRISYS, Inc. ("Trisys") warrants that its "REPLAY" product ("Product") is free from defects in material and workmanship. Subject to the conditions and limitations set forth below, Trisys will, at its option, either repair or replace any part of its Product that proved defective by reason of improper workmanship or materials. Repaired parts or replacement product will be provided by Trisys on an exchange basis, and will be either new or refurbished to be functionally equivalent to new. This warranty does not cover any damage to this product that results from accident, abuse, misuse, natural or personal disaster, or any unauthorized disassembly, repair, or modification.

One-Year Warranty: the Product is covered by this warranty for a period of one year from the date of the delivery to the client.

This warranty covers parts and labor necessary to repair Trisys Replay product.. Trisys is not liable for, and does not cover under warranty, any costs associated with servicing and/or the installation of Trisys products by other parties. Trisys will not discontinue support of its products, nor obsolete its products, as long as there are component materials available and there is reasonable customer demand for the products.

Technical Support

Trisys Technical Support can be contacted directly by calling: 973.360.2300, option 3 during normal business hours (EST) in the United States, or by e-mail at: support@trisys.com

Warranty Claim Procedures and Requirements

To obtain warranty service, you may need to return a defective product, freight-prepaid and insured for the price paid, to Trisys Inc., 215 Ridgedale Ave., Florham Park, NJ 07932. **You must obtain an RMA from Trisys prior to shipment, otherwise Trisys will not be responsible.** You must include product identification information, including model number and serial number (if applicable) with a detailed description of the problem you are experiencing. You must also include proof of the date of original retail purchase as evidence that the product is within the applicable warranty period.

Once you have obtained an RMA number from Trisys, you must, within thirty (30) days, send the product freight-prepaid and insured to Trisys, RMA Customer Service, to the address that was given to you at the time that the RMA was issued. Products shipped to Trisys must be properly packaged to prevent damage in transit. You must include the Trisys RMA number prominently displayed on the outside of your package. If you send your product to Trisys without the RMA number prominently displayed on the outside of the package, it will be returned to you unopened.

Disclaimers

THE FOREGOING IS THE COMPLETE WARRANTY FOR TRISYS REPLAY PRODUCTS AND SUPERSEDES ALL OTHER WARRANTIES AND REPRESENTATIONS, WHETHER ORAL OR WRITTEN. EXCEPT AS EXPRESSLY SET FORTH ABOVE, NO OTHER WARRANTIES ARE MADE WITH RESPECT TO TRISYS PRODUCTS AND TRISYS EXPRESSLY DISCLAIMS ALL WARRANTIES NOT STATED HEREIN, INCLUDING, TO THE EXTENT PERMITTED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL TRISYS BE LIABLE TO THE PURCHASER OR TO THE USER OF A TRISYS PRODUCT FOR ANY DAMAGES, EXPENSES, LOST REVENUES, LOST SAVINGS, LOST PROFITS, OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM THE PURCHASE, USE OR INABILITY TO USE THE TRISYS PRODUCT, EVEN IF TRISYS HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.



Contact us:

Trisys, Inc.
215 Ridgedale Ave.
Florham Park, NJ 07932
Tel. 973.360.2300
Fax. 973.360.2222
support@trisys.com
www.trisys.com